

Form PTO 1449 U.S. Department of Commerce Patent and Trademark Office Information Disclosure Statement by Applicant	ATTY. DOCKET NUMBER HIRA.0149	SERIAL NUMBER To be Assigned 10/849,516
	APPLICANT Takahashi et al.	
	FILING DATE 5/20/04 Concurrently Herewith	GROUP 2627

U.S. Patent Documents

Examiner Initial	DOCUMENT NUMBER	DATE	NAME	CLA SS	SUBC CLASS	FILING DATE

Foreign Patent Documents

Examiner Initial	DOCUMENT NUMBER	FILING DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO
B	4-358310	11/28/91	Japan			Abstract	X
	2000-137906	4/2/99	Japan			Abstract	X
	2001-168414	12/3/99	Japan			Abstract	X
	2001-230471	11/22/2000	Japan			Abstract	X
	2002-190630	8/1/2001	Japan			Abstract	X
	03-154217	11/13/89	Japan			Abstract	X
	7-221363	2/1/94	Japan			Abstract	X
	11-509956 *	5/20/97	Japan				X
B	WO 97/44781	5/20/97	PCT			X	

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

B	Jedema et al., "Electrical Detection of Spin Precession in a Metallic Mesoscopic Spin Valve", 2002 Macmillan Magazines Ltd., Letters to Nature, pp. 713-716
B	C. Heide, "Effects of Spin Accumulation in Magnetic Multilayers", 2001 The American Physical Society, Physical Review B, Vol. 65, 05441, 17 pages
B	Liu et al., "Electric-Pulse-Induced Reversible Resistance Change Effect in Magnetoresistive Films", 2000 American Institute of Physics, Applied Physics Letters, Vol. 76, No. 19, pp. 2749-2751

EXAMINER B. S. Mull	DATE CONSIDERED 2/14/07
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EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

* corresponds to WO 97/44781 patent listed above

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Foreign Patent Documents

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						Yes	No

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

B	Brataas, Arna, et al., "Spin accumulation in small ferromagnetic double-barrier junctions", Physical Review B, Volume 59, Number 1, January 1, 1999, PP 93-96

EXAMINER

B Smith

DATE CONSIDERED

2/14/07

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